

Title (en)  
SECONDARY BATTERY AND DEVICE INCLUDING SAME

Title (de)  
SEKUNDÄRBATTERIE UND VORRICHTUNG DAMIT

Title (fr)  
BATTERIE SECONDAIRE ET DISPOSITIF LA COMPRENANT

Publication  
**EP 4007034 A1 20220601 (EN)**

Application  
**EP 20888979 A 20201020**

Priority  
• KR 20190149721 A 20191120  
• KR 2020014318 W 20201020

Abstract (en)  
A secondary battery according to one embodiment of the present disclosure includes: a jelly-roll type electrode assembly; a top insulator located at the top of the electrode assembly; and a bottom insulator located at the bottom of the electrode assembly, wherein at least one of the top insulator and the bottom insulator includes a temperature-sensitive polymer that swells in accordance with a temperature rise.

IPC 8 full level  
**H01M 10/0587** (2010.01)

CPC (source: CN EP KR US)  
**H01M 10/0422** (2013.01 - EP US); **H01M 10/0431** (2013.01 - EP US); **H01M 10/0525** (2013.01 - CN); **H01M 10/0587** (2013.01 - CN EP KR); **H01M 50/121** (2021.01 - US); **H01M 50/14** (2021.01 - US); **H01M 50/172** (2021.01 - KR); **H01M 50/474** (2021.01 - EP); **H01M 50/486** (2021.01 - CN EP); **H01M 50/529** (2021.01 - EP); **H01M 50/538** (2021.01 - EP); **H01M 50/572** (2021.01 - KR); **H01M 50/581** (2021.01 - KR); **H01M 50/586** (2021.01 - EP); **H01M 50/593** (2021.01 - EP); **H01M 2200/10** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4007034 A1 20220601**; **EP 4007034 A4 20230719**; CN 114424381 A 20220429; JP 2022545189 A 20221026; JP 7364157 B2 20231018; KR 20210061779 A 20210528; US 2022367901 A1 20221117; WO 2021101082 A1 20210527

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